Yash Mulimani

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EDUCATION

Arizona State University: Barrett, The Honors College | Tempe, AZ   **Expected May 2026**
B.S. in Computer Science   **3.95 / 4.0**
Minor in Business
Coursework: Algorithms, Data Structures, Computer Organization and Assembly, Object Oriented Programming, Discrete Math, Logic in Computer Science, Microeconomics, Macroeconomics, Personal Finance
Programming Languages: Java, C, C++, Swift, Python, HTML, CSS, Javascript

PROJECTS

Sun Devil Satellite Laboratory | Arizona State University | Tempe, AZ   **Fall 2023 - Present**
- Utilizing Python to create algorithms to optimize the efficiency and management of the file transfer protocol of the CubeSat, parsing input data from a radio to the onboard computer and sending commands to appropriate subsystems
- Created Python scripts to convert Excel data to COSMOS text files for testing of a "flatsat" while removing data to transmit satellite commands over both a wired link and radio

Olive Branch | Arizona State University   **Spring 2023**
- Collaborated with a team of four in the Watts College of Public Service to create an application prototype in Swift to connect homeless individuals in the Phoenix metro area to mental health professionals
- Integrated CoreData to save user log-in information between consecutive launches of the app prototype
- Implemented features to search health care providers by name, to sort providers by services provided or distance, and to show users their current distance from a provider's office and directions based on the user's location

imsqsh.github.io/imsqshdev | Personal Website   **2023**
- Created a personal website in HTML, CSS, and Javascript to host personal information, projects, and experience
- Utilizing CSS and Javascript together to create transitions, animations, and other design features to show knowledge in the languages while hosting through GitHub Pages

EXPERIENCE

Undergraduate Teaching Assistant | Arizona State University | Tempe, AZ   **Fall 2023 - Present**
- Assisting in instruction to over 100 Introduction to Programming students, explaining and reinforcing difficult concepts in Java to a variety of majors
- Facilitating laboratory coding assignments, conducting office hours, and holding "Innovation Workshops" to further technical skills within Fulton Schools of Engineering students

VEX Robotics | BASIS Ahwatukee | High School | Phoenix, AZ   **2018 - 2022**
- Led a team of eight throughout high school to compete with a 18x18x18in robot tasked with gaining more points than an opposing team by completing challenges associated with certain point values
- Directly oversaw construction of the autonomous control of the robot, coded in a variant of C, to gain over 23 points
- Competed in the Regional tournaments every year, qualifying to the Worlds tournament twice

SKILLS AND AWARDS

Dean's List | Arizona State University | Tempe, AZ   **Fall 2022 - Present**
J-STD-001 Soldering Certification | Mesa Community College | Mesa, AZ   **Fall 2021**
- Gained certification to solder professionally according to IPC, an internationally accredited association for the electronics manufacturing industry
- Soldered components to a circuit board as part of a final exam to test technical skills gained during the course